# ttorney Docket No. IMMR-045/04US

**PATENT** 

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of James F. KRAMER

Serial No.:

09/439,766

Examiner:

Donald W. Underwood

Confirmation No.: 2089

Art Unit:

3652

Filed: November 15, 1999

For:

FORCE FEEDBACK AND TEXTURE SIMULATING INTERFACE DEVICE

U.S. Patent and Trademark Office 220 20<sup>th</sup> Street South Customer Window, Mail Stop RCE Crystal Plaza Two, Lobby, Room 1B03 Arlington, VA 22202

is being submitted in duplicate.

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Enclosed is an Information Disclosure Statement and accompanying Form PTO/SB/08A for the above-identified patent application.

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The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§1.16, 1.17, and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 50-1283.

Dated: June 17, 2004

Cooley Godward LLP ATTN: Patent Group One Freedom Square Reston Town Center 11951 Freedom Drive Reston, VA 20190-5656 Tel: (703) 456-8000

Fax: (703) 456-8000

209028 v1/RE 4H@C01!.DOC Respectfully submitted, COOLEY GODWARD LLP

By:

Erik B. Milch Reg. No. 42,887



**PATENT** 

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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[]		Enclosed is an explanation of non-English publication(s) for which an English translation is not available.						
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rwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/PTO Complete if Known 09/439,766 **Application Number** INFORMATION DISCLOSURE November 15, 1999 Filing Date STATEMENT BY APPLICANT James F. Kramer **First Named Inventor** Art Unit 3652 (use as many sheets as necessary) **Examiner Name** Donald W. Underwood IMMR045/04US Sheet Attorney Docket Number

			U.S. PATENT DOC	UMENTS	
		Document Number			
Examiner	Cite No.1	Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		6,422,941	7/23/2002	Thorner et al.	
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		4,127,752	11/28/1978	Lowthorp	
		2,972,140	2/14/1961	Hirsch	

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		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		PATRICK, "Design, Construction, and Testing of a Fingertip Tactile Display for Interaction with Virtual and Remote Environments," <i>Master of Science Thesis</i> , MIT, Aug. 1990, archived Nov. 8, 1990.
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		BLISS, "Optical-to-Tactile Image Conversion for the Blind," <i>IEEE Transactions on Man-Machine Systems</i> , Vol. MMS-11, No. 1, March 1970.
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		PIMENTEL et al., "Virtual Reality: through the new looking glass," 2 <sup>nd</sup> Edition; McGraw-Hill, ISBN 0-07-050167-X, pp. 41-202, 1994.
		"Cyberman Technical Specification," Logitech Cyberman SWIFT Supplement to Logitech Mouse Technical Reference and Programming Guide, 4/5/1994.
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		LAKE, "Cyberman from Logitech," at http://www.ibiblio.org/GameBytes/issue21/greviews/cyberman.html, 1994.
		YAMAKITA et al., "Tele-Virtual Reality of Dynamic Mechanical Model," <i>Proceedings of the 1992 IEEE/RSJ</i> International Conference on Intelligent Robots and Systems, Raleigh, NC, July 7-10, 1992

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Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
		NOLL, "Man-Machine Tactile," SID Journal, July/August 1972 Issue.				
		ROSENBERG, "Virtual Fixtures: Perceptual Overlays Enhance Operator Performance In Telepresence Tasks," Ph.D. Dissertation, Stanford University, June 1994.				
		ZILLES, "A Constraint-Based God-Object Method for Haptic Display," Department of Mechanical Engineering, Artificial Intelligence Laboratory, Massachusetts Institute of Technology, undated.				

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